

IN THE CLAIMS

1. (currently amended) A method for transforming data formats between different database systems including a host computer and a disk storage device for storing data, said method comprising the steps of:

providing in said host computer having a skeleton program for instructing data format transformation; and a first communication program for communication with said disk storage device;

providing in said disk storage device having a data format transforming program for executing data format transformation; and a second communication program for communication with said host computer;

~~— said method comprising the steps of:~~

~~— said skeleton program sending, from said skeleton program, a request to said data format transformation program on said disk storage device via said first communication program for communication with said disk storage, at the time of data format transformation;~~

receiving, by said data format transformation program, receiving the request via said second communication program for communication with the host computer;

and

transforming, by said data format transformation program, data having a data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system, said data format for said one database system being different from said data format of said another database system; and

storing, by said disk storage device, said data having said another data format
~~performing the data format transformation within~~ said its own disk storage device.

2. (currently amended) A method for transforming data formats between different database systems according to claim 1, ~~further comprising in~~ wherein said request comprises:

information for specifying said data format transformation program;

an address of source data;

information indicating a size of data to be transformed; and

a destination address of transformed data.

3. (currently amended) A host computer having a disk storage device attached for implementing a database management system, comprising:

~~said disk storage containing data of database, and having a data transformation program for data format transformation and a communication program for communication with said host computer;~~

~~— said host computer having a skeleton program for providing a request for sending a request to said a data format transformation program in said disk storage device to direct said data format transformation program to perform a data format transformation of data having a data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system, said data format for said one database system being different from said data format of said another~~

database system and to store data having said another data format within its
own said disk storage device; and

a communication program for communication with said disk storage device.

Claim 4 (canceled).

5. (currently amended) A disk storage device attached to a host computer for storing data of a database management system, comprising:

~~— said host computer including~~

~~— a skeleton program for instructing data format transformation; and~~

~~— a communication program for communication with said disk storage;~~

~~— said disk storage device including~~

~~— a data format transforming program for executing data format transformation;~~

and

~~— a communication program for communication with said host computer;~~

~~— said disk storage device comprising~~

~~— a data format transformation program for performing, within said disk storage~~

~~device, a data format transformation of data having a data format which is used for~~

~~an application executed on one database system into data having another data~~

~~format which is used for an application executed on another database system within~~

~~itself upon reception of a request from said a skeleton program included in said host~~

~~computer, said data format for said one database system being different from said~~

data format of said another database system and storing data having said another data format in said disk storage device; and

a communication program for communication with said host computer.

Claim 6 (canceled).

7. (new): A method for transforming data formats between different database systems according to claim 1, wherein said disk storage device connects to another host computer.

8. (new): A method for transforming data formats between different database systems according to claim 7, wherein said application of said another database system is executed in said another host computer.

9. (new): A method for transforming data formats between different database systems according to claim 8, wherein said host computer is a mainframe and said another host computer is a open system computer.

10. (new): A method for transforming data formats between different database systems according to claim 2, wherein said request is transferred from said host computer to said disk storage device by using the Internet Protocol (IP).

11. (new): A method for transforming data formats between different database systems according to claim 2, wherein said request is transferred from said host computer to said disk storage device by using Small Computer System Interface (SCSI) protocol.

12. (new): A host computer according to claim 3, wherein said request is transferred from said host computer to said disk storage device by using Transfer Control Protocol (TCP/IP).

13. (new): A host computer according to claim 11, wherein said request is transferred from said host computer to said disk storage device by using SCSI protocol.

14. (new): A host computer which is connectable to a disk storage device comprising:

a processor; and

a interface which is connectable to said disk storage device,

wherein said processor provides a request to direct said disk storage device to transform one data format which is used for an application executed on one database system into another data format which is used for an application executed on another database system and to store said data of said another data format in said disk storage device, said data format for said one database system being

different from said data format of said another database system, and sends said request to said disk storage device via said interface.

15. (new): A disk storage device attached to a host computer for storing data of a database management system, comprising:

a network controller which is connectable to said host computer via a network;

a disk controller connected to said network controller; and

a plurality of hard disk apparatuses connected to said disk controller,

wherein said network controller receives a request output from said host computer, reads out data of one data format which is used for an application executed in one database system from one of said plurality of hard disk apparatuses via said disk controller, transforms said data of one data format into data of another data format which is used for an application executed on the another database system, said data format for said one database system being different from said data format of said another database system, and stores said data of said another data format on the other one of said plurality of hard disk apparatuses.

16. (new): A system comprising:

a plurality of host computers; and

a disk storage device connected to said host computers,

wherein one of said host computers provides a request and sends said request to said disk storage device, and

wherein said disk storage device receives said request, transforms data having one data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system, said data format for said one database system being different from said data format of said another database system, and stores said data having said another data format within said disk storage device.

17. (new): A system according to claim 16, wherein another one of said host computers provides another request and sends said another request to said disk storage device, and

wherein said disk storage device receives said another request, transforms said data having said another data format into data having a third data format which is used for an application executed on a third database system, and stores said data having said third data format within said disk storage device.